

ABSTRACT

In a programmable controller which executes a user program process, an I/O refresh process and a peripheral service process by using a same microprocessor, the cyclic execution of the peripheral service process by a prescribed amount is ensured so as to enable a satisfactory data relay function without regard to the time period required for the execution of the user program process. The user program process which is being executed by the normal process means is interrupted by the peripheral service process which is executed by a prescribed amount according to an interruption procedure every time an interruption trigger is generated.